



**Monitoring of HLA antibodies –
Fully automated and reliable single antigen method**

The HISTO SPOT® HLA AB system

BAG Diagnostics.

The experts for HLA and blood group diagnostics

HISTO SPOT[®] HLA antibody diagnostics

Easy and reliable identification of HLA antibodies pre- and post-transplant

Broad panel of HLA antigens in one microtiter well:

> 96 recombinant single antigens for HLA class I

> 60 recombinant single antigens for HLA class II

- Miniaturized assay with minimal sample volumes (5-10µl serum)
- Fully automated on the MR.SPOT[®] processor with a flexible throughput (1-96 samples)
- No indication for denatured antigens or prozone effects

Your advantages

Direct antibody definition

The test is based on recombinant single HLA antigens.

Easy and reproducible

The user is guided by the system.
The automated workflow of the assay does not require manual intervention.

Reliable results

The test does not show false positives or false negatives due to denatured antigens or prozone effects.



The HISTO SPOT® HLA AB system

The HISTO SPOT® HLA AB test system combines the specificity of a multiplex immunodiagnostic microarray with the advantages of the highly automated MR.SPOT® platform. The multiplex array consists of a large number of recombinant single HLA antigens – the MR.SPOT® processor offers all the convenience coming along with a fully automated pipetting platform.

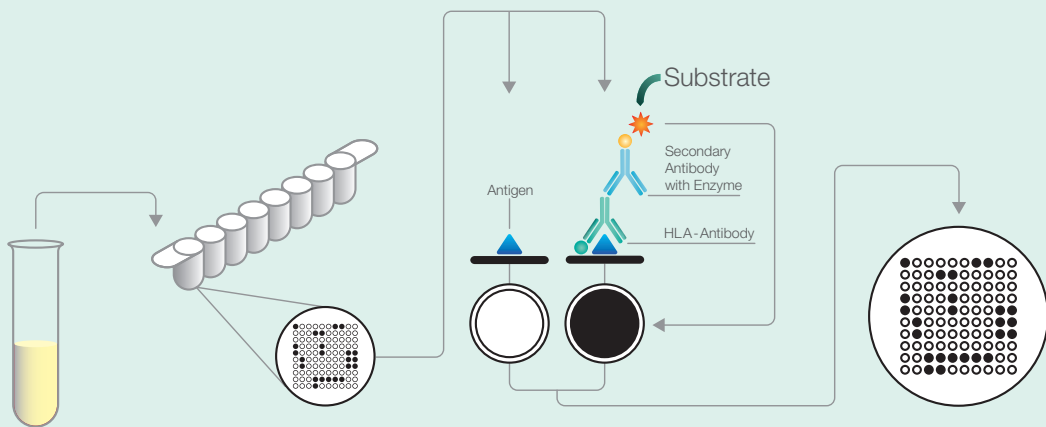
The system consists of:

- **HISTO SPOT® HLA AB kits:**
Test wells with spotted antigens for class I or class II, positive and negative control
- **HISTO SPOT® AB Reagent Kit:**
Reagents for the assay
- **MR.SPOT® processor:**
Pipetting robot for the automated assay
- **HISTO MATCH HLA AB interpretation module:**
Software for data management and interpretation

Automated HLA antibody diagnostics on the MR.SPOT[®] processor



The way it works



Pre-treatment and dilution of serum

Binding of HLA ABs to the proteins bound on the bottom of the microtiter plate

Colourimetric reaction to detect positive reactions

The presence and specificity of the HLA ABs can be determined from the reaction pattern

There is one test per well!

1

2

3

4



MR.SPOT[®] makes your life easier

The standardised and automated process guarantees high precision and fast results

The MR.SPOT[®] processor runs the whole assay. Due to fully automated washing and pipetting, the plug and play instrument makes handling very easy. Moreover, MR.SPOT[®] automatically records the results by an integrated camera and transfers the image to the HISTO MATCH software for convenient interpretation.



HISTO MATCH software designed for your needs



The user friendly HISTO MATCH software is the central workstation of the HISTO SPOT® system

- Convenient management of all relevant data regarding patients, samples, worklists, kits, users and processors in a Microsoft SQL Server database
- Efficient workflow management and tracking of samples and results
- Intuitive interpretation tools for reviewing and editing results
- Historical analysis of patient sera
- Epitope information available
- Network installations including the MR.SPOT® processor and several workplaces based on Microsoft SQL Server
- Integration in LIM systems with customised interfaces
- HISTO MATCH is available in different languages (e.g. English, French, Italian, Spanish, German, Russian)



Product	Package	REF
HISTO SPOT® HLA AB ID Class I	48 Tests	728100
HISTO SPOT® HLA AB ID Class II	48 Tests	728101
HISTO SPOT® HLA AB Screen/ID Class I	480 Tests	728102
HISTO SPOT® HLA AB Screen/ID Class II	480 Tests	728103
HISTO SPOT® AB Reagent Kit	96 Tests	728198
MR.SPOT® Processor	1	726100
MR.SPOT® 2.0 Processor	1	726110

We are the experts for HLA and blood group diagnostics

With **more than 30 years of experience** BAG Diagnostics is the specialist for HLA and blood group diagnostics. As an independent, global operating company we offer **permanent ongoing development** of our products and services.

Our motivation is to **exceed the expectations of our customers** and partners. Hence, we support them with **extraordinary service** and **new ways of thinking – capable, fast and spot-on.**